OIPE JC1600 JUN 23 2005 PATENT & TRADEMARK OFFICE

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kennedy et al.

Serial No.: 09/800,987

Filed: 03/07/2001

Title: Superadiabatic Generation of Hydrogen and Hydrocarbons

Group Art Unit: 1764

Examiner: Basia Anna Ridley

Attorney Docket No.: 27611/34370B

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on **June 20, 2005.**

Sandip H. Patel (Reg. No. 43,848)
Attorney for Applicants

RESPONSE TO FINAL OFFICIAL ACTION PURSUANT TO 37 CFR § 1.116

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

This paper is being presented in response to the final official action dated March 9, 2005.

Listing of the claims begins on page **2** of this paper.

Remarks begin on page **2** of this paper.